

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	<i>Application Number</i>	New Application
	<i>Filing Date</i>	January 24, 2002
	<i>First Named Inventor</i>	David W. Pipes
	<i>Group Art Unit</i>	Unassigned
	<i>Examiner Name</i>	Unassigned
	<i>Attorney Docket Number</i>	1670-233
<i>Title of the Invention:</i>	Formulation of Tc and Re Carbonyl Complexes using Stannous Ion as the Reductant for Pertechnetate and Perrhenate	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to examination on the merits, please amend the above-identified U.S. patent application as follows:

IN THE SPECIFICATION:

Page 1, between the title of the invention and the section entitled "FIELD OF THE INVENTION", please insert the following paragraph:

-- CROSS-REFERENCE RELATED APPLICATIONS

This application is a divisional of pending U.S. Patent application No. 09/576,960, filed May 24, 2000.--

IN THE CLAIMS:

Please cancel claims 1-17.

Please amend claims 18 and 27 as indicated below.

18. (Amended) A kit for carrying out a method of preparing a compound of formula



wherein M is Mn, ^{99m}Tc, ¹⁸⁶Re or ¹⁸⁸Re,

in which a metal in permethylate form is reacted with carbon monoxide and a reducing agent, wherein said reducing agent comprises stannous ion, said kit comprising a lyophilized formulation including stannous ion, wherein said stannous ion may be in the form of a discrete molecule comprising said stannous ion plus an anion, said mixture being sealed in a container having a headspace comprising carbon monoxide.

27. (Amended) A kit for carrying out a method of preparing a compound of formula

fac-[M(CO)₃L_x]ⁿ

(II)

wherein:

M is Mn, ^{99m}Tc, ¹⁸⁶Re or ¹⁸⁸Re;

L_x is i) three monodentate ligands ii) one monodentate ligand and one bidentate ligand, or iii) one tridentate ligand; and

n is a charge of the ligand L_x increased with one + charge;

comprising reacting ligand L_x with a compound of formula

fac-[M(CO)₃(OH₂)₃]⁺

(I)

wherein M is as defined above, and wherein the compound of formula (I) is prepared by a reaction in which a metal in permethylate form is reacted with carbon monoxide and a reducing agent, wherein said reducing agent comprises stannous ion, said kit comprising a lyophilized formulation including stannous ion, wherein said stannous ion may be in the form of a discrete molecule comprising said stannous ion plus an anion, and a metal M which is Mn, ^{99m}Tc, ¹⁸⁶Re or ¹⁸⁸Re.

Marked-up copies of the original text of the amended claims are attached to this amendment. Material inserted is indicated by underlining and material deleted is indicated by brackets [].

REMARKS

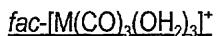
The above is being made to make amendment to the claims prior to examination on the merits. The amendment does not add to or depart from the original disclosure, or constitute prohibited new matter.

RESPECTFULLY SUBMITTED,					
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Enclosure: Amended Claims to Show Changes Made

Version of Amended Claims to Show Changes Made

18. (Amended) A kit for carrying out [the method of claim 1,] a method of preparing a compound of formula



(I)

wherein M is Mn, ^{99m}Tc , ^{186}Re or ^{188}Re ,

in which a metal in permethylate form is reacted with carbon monoxide and a reducing agent, wherein said reducing agent comprises stannous ion, said kit comprising a lyophilized formulation including stannous ion, wherein said stannous ion may be in the form of a discrete molecule comprising said stannous ion plus an anion, said mixture being sealed in a container having a headspace comprising carbon monoxide.

27. (Amended) A kit for carrying out a method of preparing a compound of formula



(II)

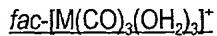
wherein:

M is Mn, ^{99m}Tc , ^{186}Re or ^{188}Re ;

L_x is i) three monodentate ligands ii) one monodentate ligand and one bidentate ligand, or iii) one tridentate ligand; and

n is a charge of the ligand L_x increased with one + charge;

comprising reacting ligand L_x with a compound of formula (I).



(I)

wherein M is as defined above, and wherein the compound of formula (I) is prepared by a reaction in which a metal in permethylate form is reacted with carbon monoxide and a reducing agent, wherein said reducing agent comprises stannous ion, said kit [the method of claim 8,] comprising a lyophilized formulation including stannous ion, wherein said stannous ion may be in the form of a discrete molecule comprising said stannous ion plus an anion, and a metal M which is Mn, ^{99m}Tc , ^{186}Re or ^{188}Re .